

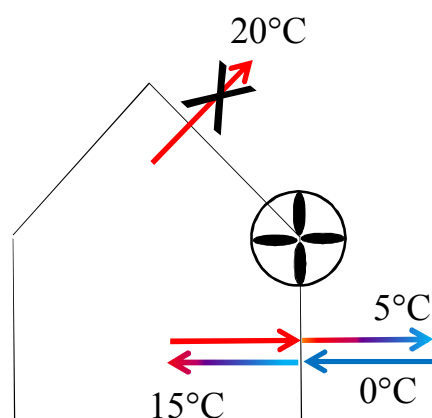


## Simulation of low energy houses using TRNSYS

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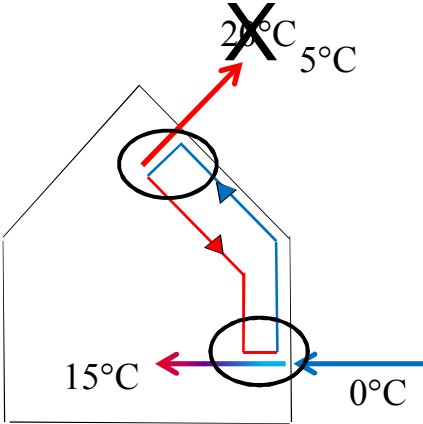


### Hybrid ventilation with heat recovery



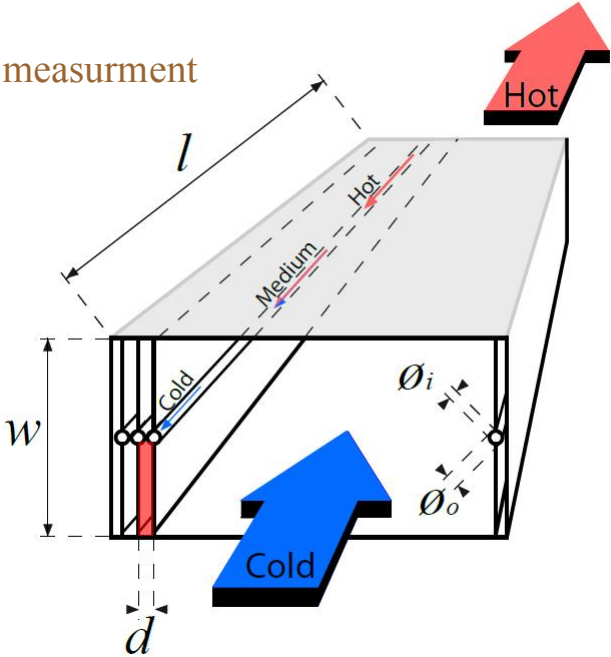
Cost: 4000 kWh/year  
 Cost: 1000 kWh/year  
 Savings 3000 kWh/year?  
 75% savings?  
 Cost: 450 kWh/year  
 1 el. = 3 heat  
 Cost: 1350 kWh/year  
 Total cost: 2350 kWh/year  
 40% savings!

Possible solution



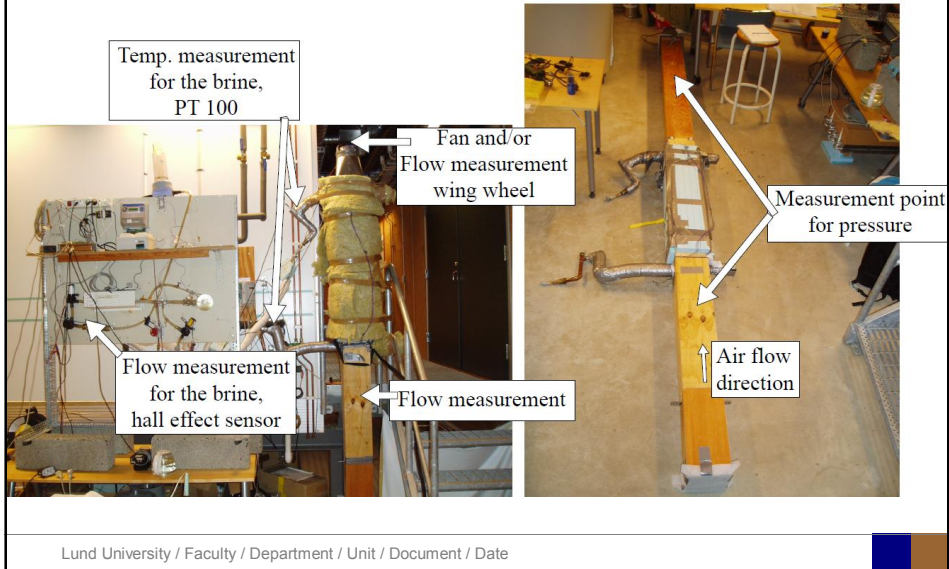
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Design, measurement

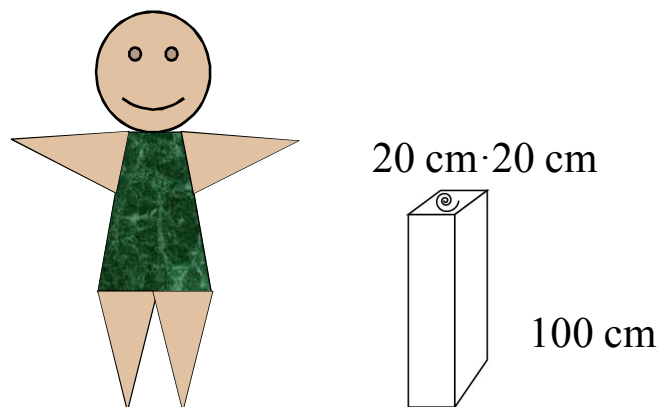


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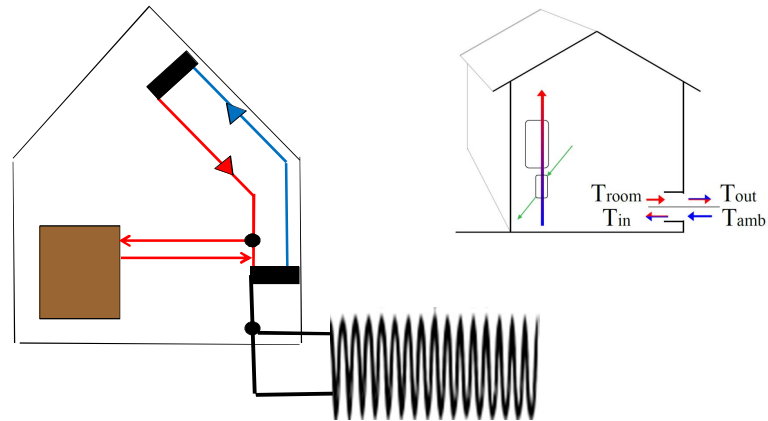
## Design, measurement



## Results, part 1

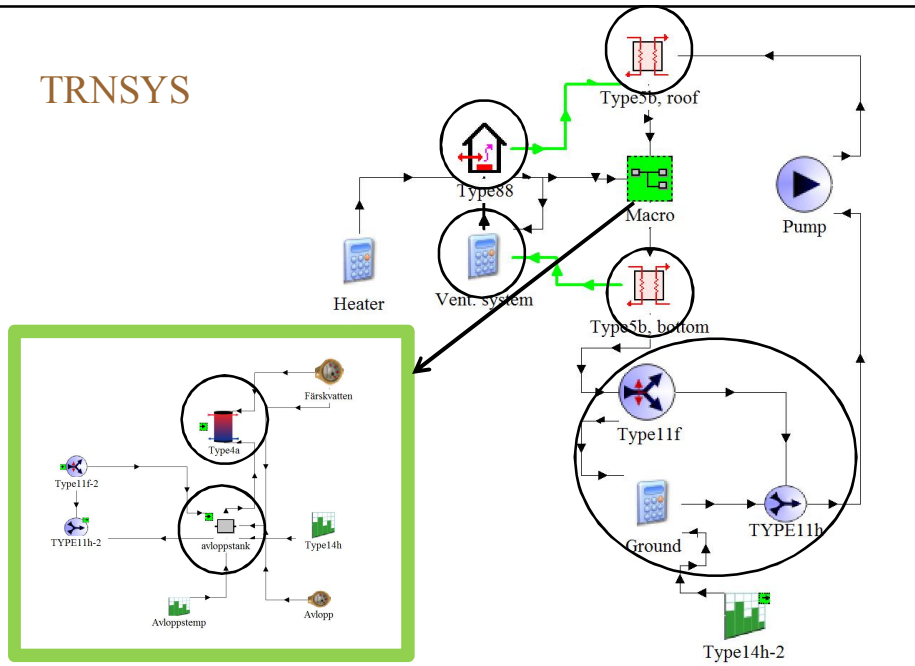


### System analysis

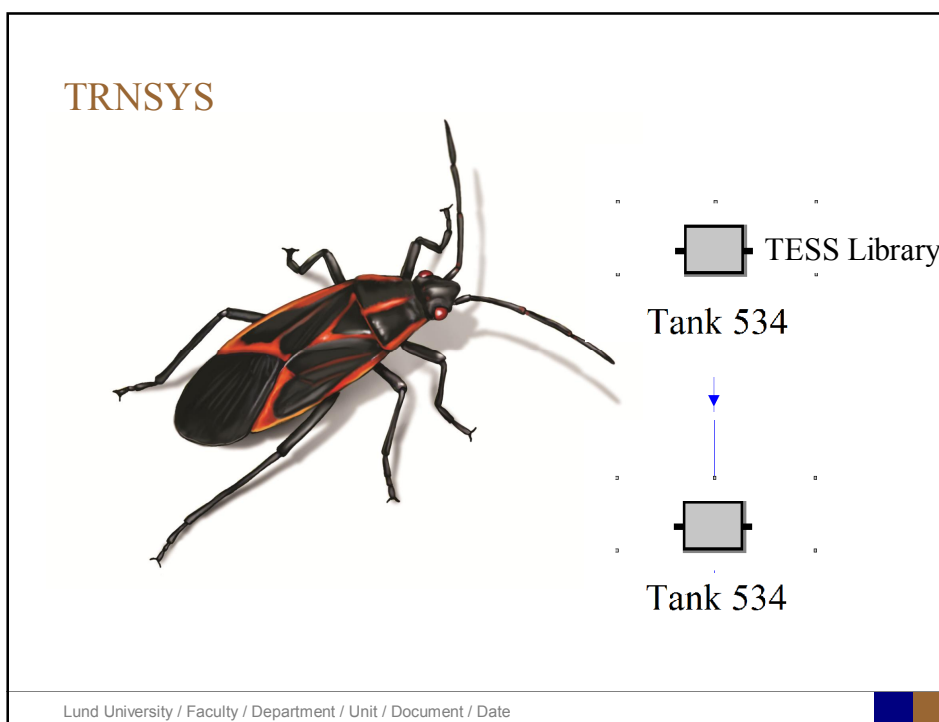
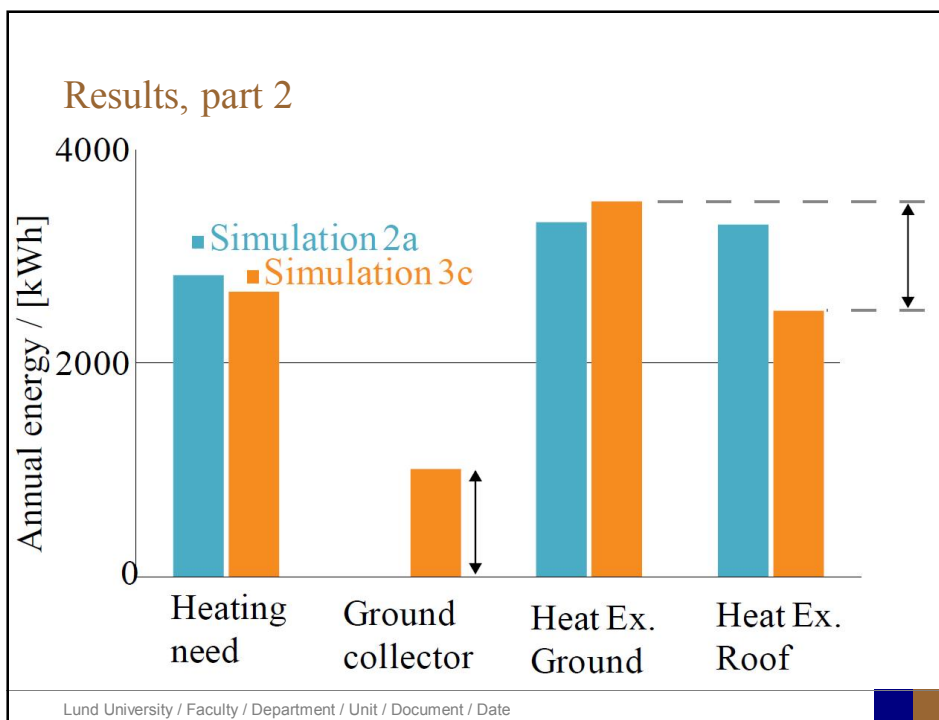


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### TRNSYS



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# Tack!

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